

Amendments for DVD+R/+RW System Descriptions

Applicable to

- DVD+R:
DVD+R 4.7 Gbytes, part 1: Single Layer, volume 1: 1X to 16X Basic Format Specifications version 1.31, September 2007
- DVD+RW:
DVD+RW 4.7 Gbytes, part 1: Single Layer, volume 1: 2,4X & 4X Basic Format Specifications version 1.31, September 2007
- DVD+RW HS:
DVD+RW 4.7 Gbytes, part 1: Single Layer, volume 2: 8X Basic Format Specifications version 1.01, September 2007
- DVD+R DL:
DVD+R 8.5 Gbytes, part 2: Dual Layer, volume 1: 2,4X to 16X Basic Format Specifications version 1.21, September 2007
- DVD+RW DL:
DVD+RW 8.5 Gbytes, part 2: Dual Layer, volume 1: 2,4X Basic Format Specifications version 1.01, September 2007

DVD+RW, DVD+RW HS, DVD+RW DL, DVD+R and DVD+R DL:

3 References

Added text:

AACS: Advanced Access Content System (AACS), Blu-ray Disc Recordable Book, AACS LA LLC.

AVCREC: System Description AVCREC Rewritable Format, Blu-ray Disc Association.

DVD+RW, DVD+RW HS, DVD+RW DL, DVD+R and DVD+R DL:

4 Definitions

Added text:

AACS

AACS defines a method to prevent unauthorized copying and/or redistribution of video data that is recorded in the AVCREC Video Format.

DVD+RW, DVD+RW HS, DVD+RW DL, DVD+R and DVD+R DL:

14.4.2.1 General information – Bytes 0 to 31

Byte 16 – General Flag bits

Text to be replaced:

Bits b₄ to b₀ are reserved and shall be set to 0 0000

New text:

Bit b₄ is reserved for use in the Control Data Zone and shall be set to ZERO

Bits b₃ to b₀ are reserved and shall be set to 0000

DVD+RW and DVD+RW HS: **17.11.1 Physical Format information**
DVD+RW DL: **17.10.1 Physical Format information**
DVD+R and DVD+R DL: **18.8.1 Physical Format information**

Byte 16 – General Flag bits

Text to be replaced:

Bits b₄ to b₀ same as 14.4.2

New text:

Bit b₄ shall specify if Buffer Zone 2 in the Lead-in Zone contains AACS related information, it shall be set to 0, indicating no AACS related information is present in Buffer Zone 2, it shall be set to 1, indicating Buffer Zone 2 contains AACS related information as defined in the AACS System Description (see clause 3)

Bits b₃ to b₀ same as 14.4.2

DVD+R and DVD+R DL: **18.8.1 Physical Format information**

Byte 16 – General Flag bits

Text to be replaced:

Note: When closing the first Session, drives not designed to handle VCPS might set bit b₅ = 0 even when Buffer Zone 2 contains VCPS related information (recorded before by some other drive).

New text:

Note: When closing the first Session, drives not designed to handle VCPS or AACS might set bit b₅ and/or bit b₄ = 0 even when Buffer Zone 2 contains VCPS or AACS related information (recorded before by some other drive).

DVD+RW and DVD+RW HS: **17.12 Buffer Zone 2**
DVD+RW DL: **17.11 Buffer Zone 2**

Text to be replaced:

This recorded Zone shall consist of 512 Physical Sectors from 32 ECC Blocks. During use of the disc VCPS related information may be recorded to these 32 ECC Blocks, according to the specifications given in the VCPS System Description (see clause 3). If no VCPS related information is copied to these locations then the Main Data of the Data Frames in this Zone shall be set to all (00).

New text:

This recorded Zone shall consist of 512 Physical Sectors from 32 ECC Blocks. During use of the disc VCPS or AACS related information may be recorded to these 32 ECC Blocks, according to the specifications given in the VCPS System Description respectively the AACS System Description (see clause 3). Such VCPS or AACS related information shall only be recorded when requested by the host/application. If no VCPS or AACS related information is copied to these locations then the Main Data of the Data Frames in this Zone shall be set to all (00).

Text to be replaced:

This recorded Zone shall consist of 512 Physical Sectors from 32 ECC Blocks. During use of the disc VCPS related information may be recorded to these 32 ECC Blocks, according to the specifications given in the VCPS System Description (see clause 3). Such VCPS related information shall only be recorded when requested by the host/application. If no VCPS related information is copied to these locations then the Main Data of the Data Frames in this Zone shall be set to all (00).

New text:

This recorded Zone shall consist of 512 Physical Sectors from 32 ECC Blocks. During use of the disc VCPS or AACS related information may be recorded to these 32 ECC Blocks, according to the specifications given in the VCPS System Description respectively the AACS System Description (see clause 3). Such VCPS or AACS related information shall only be recorded when requested by the host/application. If no VCPS or AACS related information is copied to these locations then the Main Data of the Data Frames in this Zone shall be set to all (00).

DVD+RW: **Annex M, Figure M.1**

DVD+RW HS, DVD+RW DL: **Annex N, Figure N.1**

DVD+R and DVD+R DL: **Annex P, Figure P.1**

Flowchart showing the use of Physical format information in ADIP*Text to be replaced:*

- byte 16: (N)BCA descriptor

New text:

- byte 16: General Flag bits